# UNITED STATES PATENT AND TRADEMARK OFFICE **CERTIFICATE OF CORRECTION**

PATENT NO. : 6,867,457 B2

Page 1 of 2

DATED

: March 15, 2005

INVENTOR(S): Yukihiro Hayakawa et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

## Title page,

Item [56], References Cited, FOREIGN PATENT DOCUMENTS,

"1221720 A2" should read -- 1 221 720 A2 --;

"0574911 A2" should read -- 0 574 911 A2 --;

"2309589 A" should read -- 2 309 589 A --.

Sheet 20, FIG. 23, "Pusb" should read -- Psub --.

#### Column 1,

Line 33, "a" should read -- an --.

# Column 5,

Line 46, "this" should read -- these --; and

Line 49, "length-of" should read -- length of --.

# Column 7,

Line 36, "boarder" should read -- border --;

Line 57, "deice" should read -- device --.

#### Column 10,

Line 34, "using," should read -- using --.

#### Column 11,

Line 11, "not" should read -- not be --.

## Column 12,

Line 3, "formed" should read -- formed and --.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 16,

Line 20, "device-according" should read -- device according --.

Signed and Sealed this

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Twelfth Day of July, 2005

JON W. DUDAS Director of the United States Patent and Trademark Office